

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A band elimination filter, comprising:

an input terminal and an output terminal;

one capacitor between a first terminal connected to said input terminal and a second terminal connected to said output terminal; wherein

said first terminal is grounded via only a first grounding point;

said second terminal is grounded via only a second grounding point,

a first acoustic resonator is connected between said first terminal and said first grounding point, and

a plurality of second acoustic resonators each having one is connected between said second terminal and said second grounding point and grounded; and

— a transmission line to which the other end of each of said plurality of acoustic resonators is connected;

— wherein at least some of said other ends are coupled to the transmission line at predetermined intervals; and

— at least one reactance element is provided on said transmission line in all or a part of said predetermined intervals.

2. (Currently Amended) The band elimination filter according to claim 1, wherein said ~~acoustic resonator is a~~ resonators are surface acoustic wave resonators ~~resonator~~ formed on a principal surface of a piezoelectric substrate.

3. (Canceled)

4. (Currently Amended) The band elimination filter according to claim 13, wherein said normalized impedance is lower than about 1.5.

5. (Canceled)
6. (Currently Amended) The band elimination filter according to claim 15, wherein said ~~inductor~~ capacitor includes a wire used in wire mounting.
7. (Canceled)
8. (Currently Amended) The band elimination filter according to claim 1 or 2, further comprising wherein said reactance element includes a capacitor and an inductor having a first end coupled to the input terminal and a second end coupled to output terminal.
- 9.-10. (Canceled)
11. (Currently Amended) The band elimination filter according to claim 1, wherein said ~~reactance element~~ capacitor is a chip component.
12. (Currently Amended) The band elimination filter according to claim 1, wherein said ~~reactance element~~ capacitor is formed on a piezoelectric substrate.
13. (Currently Amended) The band elimination filter according to claim 1, wherein said ~~capacitor reactance element~~ is formed in a mounting substrate on which said band elimination filter is mounted.
14. (Original) The band elimination filter according to claim 13, wherein said mounting substrate is a laminated body having a dielectric layer.
15. (Original) The band elimination filter according to claim 13, wherein said acoustic resonators are face-down mounted on said mounting substrate.
16. (Original) The band elimination filter according to claim 2, wherein electrode pads of said surface acoustic wave resonators which are grounded are separated from each other on said piezoelectric substrate.
17. (Currently Amended) The band elimination filter according to claim 1, wherein said acoustic resonators are resonator is a piezoelectric resonators resonator.
18. (Currently Amended) The band elimination filter according to claim 17, wherein said piezoelectric resonators are resonator is a bulk wave resonators resonator having an upper

electrode, a lower electrode and a piezoelectric layer sandwiched between said upper electrode and said lower electrode.

19. (Original) The band elimination filter according to claim 18, wherein said piezoelectric layer is composed of a piezoelectric thin film.

20. (Currently Amended) The band elimination filter according to claim 18, wherein said reactance element is formed using said electrodes of at least one of said bulk wave resonators resonator.

21. (Currently Amended) The band elimination filter according to claim 1, wherein said first and second surface-acoustic wave resonators have different resonance frequencies.

22. (Currently Amended) The band elimination filter according to claim 1, wherein said one end of each of said acoustic resonators is independently grounded by wiring on a substrate.

23. (Currently Amended) The band elimination filter according to claim 1, further comprising a third wherein said reactance element is an acoustic resonator positioned between the input and output terminals and having a resonance frequency different from the resonance frequencies of said the first and second acoustic resonators by a predetermined amount.

24. (Currently Amended) A filter device comprising a plurality of filters wherein at least one of the plurality of filters is a band elimination filter according to claim 1.

25. (Original) An antenna duplexer, comprising:

a transmission filter; and

a receiving filter;

wherein a band elimination filter according to claim 24 is used as said transmission filter or said receiving filter.

26. (Original) A communication apparatus, comprising:

transmission means of transmitting a signal;

receiving means of receiving a signal, and

a band elimination filter according to claim 1 is used in said transmission means and/or said receiving means.

27. (New) The band elimination filter according to claim 1 having passing characteristics that incline toward a higher frequency portion of the pass-band.

28. (New) A band elimination filter, comprising:

an input terminal and an output terminal;

one inductor between a first terminal connected to said input terminal and a second terminal connected to said output terminal; wherein

said first terminal is grounded via only a first grounding point;

said second terminal is grounded via only a second grounding point,

a first acoustic resonator is connected between said first terminal and said first grounding point, and

a second acoustic resonator is connected between said second terminal and said second grounding point.

29. (New) The band elimination filter according to claim 28 having passing characteristics that incline toward a lower frequency portion of the pass-band.

30. (New) The band elimination filter according to claim 1, wherein

a first inductor is connected between said first grounding point and said first acoustic resonator, and

a second inductor is connected between said second grounding point and said second acoustic resonator.

31. (New) The band elimination filter according to claim 28, wherein

a second inductor is connected between said first grounding point and said first acoustic resonator, and

Appln. No.: 10/657,944
Amendment Dated: April 5, 2005
Reply to Office Action of November 5, 2004

MTS-3462US

a third inductor is connected between said second grounding point and said second acoustic resonator.